

skin is of a predetermined monochromatic wavelength or a narrow wavelength bandwidth substantially in the range of 500nm-850nm and pulse energy rise time substantially at or below 200 μ s.

2. (Amended) The apparatus according to claim 1, wherein the pulse energy rise time is substantially in the range of 50 μ s to 150 μ s.
3. (Amended) The apparatus according to claim 1 [or claim 2], wherein the radiation energy density delivered to the skin is substantially at or below 5J/cm² per pulse.
4. (Amended) The apparatus according to claim 1 [any preceding claim], wherein the energy pulse duration is substantially at or below 100ms.
5. (Amended) The apparatus according to claim 4, wherein the energy pulse duration is substantially at or below 2ms.
6. (Amended) The apparatus according to claim 5, wherein the energy pulse duration is substantially at or below 200 μ s.
7. (Amended) An apparatus for cosmetic reduction of wrinkles on superficial mammalian skin, the apparatus comprising a radiation delivery system for delivering substantially monochromatic radiation, said radiation being in a wavelength bandwidth of substantially 15nm or less and in at least one of the ranges of 570nm to 600nm and 750nm to 850nm, the delivery system including a pulsation system for pulsing the radiation delivered according to a predetermined regime in which the radiation delivered to the skin has an energy density substantially at or below [to] 5J/cm² per pulse.
8. (Amended) The apparatus according to claim 7 [any preceding claim], wherein the radiation delivery system is set up to deliver substantially monochromatic radiation in a bandwidth of substantially 15nm or less substantially in at least one of the ranges of 577nm to 585nm and 800nm to 815nm.
9. (Amended) The apparatus according to claim 7 [any preceding claim], wherein the

radiation delivery system is set up to deliver radiation in a concentrated beam having a cross section with a substantially uniform energy distribution across said beam cross section.

10. (Amended) The apparatus according to claim 7 [any preceding claim], wherein the radiation delivery system is set up to deliver radiation in a concentrated beam having a diameter substantially in the range of 1mm to 10mm.
11. (Amended) The apparatus according to claim 7 [any preceding claim], wherein the radiation delivery system comprises a laser radiation delivery system.
12. (Amended) The apparatus according to claim 11, wherein the laser radiation delivery system comprises a dye laser radiation delivery system.
13. (Amended) The apparatus according to claim 12, wherein the dye laser radiation delivery system comprises a flashlamp pumped dye laser including a pulse forming network arranged to pulse the laser according to the predetermined pulse regime.
14. (Amended) The apparatus according to claim 11, wherein the laser radiation delivery system comprises a semiconductor laser radiation delivery system.
15. (Amended) The apparatus according to claim 1 or claim 7 [any of claims 1 to 11], wherein the radiation delivery means includes a broad band radiation emitting device.
16. (Amended) The apparatus according to claim 12, wherein the radiation delivery means includes at least one radiation filter arranged to filter radiation to permit the substantially monochromatic (or narrowed bandwidth) radiation to be delivered to the skin.
17. (Amended) The apparatus according to claim 1 or claim 7 [any preceding claim], further comprising a control system arranged to permit the energy density to be varied within the range of 0.5J/cm² and 5J/cm².
18. (Amended) The apparatus according to claim 17, wherein the control means is arranged